

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A visual tool for creating an extended Java applications programming interface for generating an integrated networks Java Advanced Intelligent Network (JAIN) compliant telecommunication service component for use in a service logic execution environment (SLEE), comprising:

a first visual smartguide for creating JAIN-compliant service building blocks configured to receive and transmit telecommunication events to and from at least one JAIN configured protocol stack through a JAIN-compliant signaling layer, each said JAIN-compliant service building block comprising meta-information for identifying the service building block and a pre-defined list of different event handlers ~~at least one telecommunication event handler~~ for handling specific telecommunication events received from an event routing bus in said SLEE, wherein said SLEE is configured for compatibility with a JAVA API for Integrated Networks (JAIN) specification for communicating with said JAIN-compliant service building blocks;

a second visual JAIN-compliant smartguide for creating deployment descriptors for said created JAIN-compliant service building blocks, each said deployment descriptor comprising a service description describing parameters for loading an instance of a JAIN-compliant service building block in said SLEE, an encapsulation of the meta-information corresponding to a particular one of the service building blocks, and a list of supported telecommunication events which are handled in the SLEE by an associated JAIN-compliant service building block; and,

a visual composition interface comprising a visual display within ~~through~~ which visual iconic representations of said JAIN-compliant service building blocks are arranged in

combination to form an extended JAIN-compliant telecommunication service component by performing drag-and-drop operations to move the visual iconic representations into a designated work space of the visual display and by connecting the visual iconic representations with visually displayed connectors, wherein in response to the drag-and-drop operations and connecting performed in the designated work space, said extended JAIN-compliant telecommunication service component automatically configures itself using a deployment descriptor upon identifying underlying resources that are available when the JAIN-compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

2. (Previously Presented) The visual tool of claim 1, wherein said JAIN-compliant service building blocks are JAIN-compliant software components for deployment in said SLEE.
3. (Original) The visual tool of claim 2, wherein said software components are Java beans.
4. (Previously Presented) The visual tool of claim 1, wherein said first visual smartguide comprises at least one selectable procedure for generating a plurality of JAIN telecommunication utility classes for inclusion in a JAIN-compliant service building block.
5. (Previously Presented) The visual tool of claim 1, wherein said first visual smartguide comprises a database of JAIN-compliant telecommunication event handlers from which said at least one JAIN-compliant telecommunication event handler is selected for addition to said JAIN-compliant service building block.

6. (Previously Presented) The visual tool of claim 1, wherein said second visual smartguide comprises a database of JAIN-compliant telecommunication event handlers from which a list of supported JAIN telecommunication events for inclusion in said deployment descriptor is constructed.
7. (Previously Presented) The visual tool of claim 1, further comprising a service container which encapsulates the JAIN-compliant service component.
8. (Original) The visual tool of claim 7, wherein said service container further comprises meta-information for exposing container characteristics for said service container.
9. (Original) The visual tool of claim 8, wherein said meta-information comprises a plurality of Java Native Definition Interface (JNDI) environment entries.
10. (Currently Amended) A method for visually generating an extended Java Advanced Intelligent Network (JAIN)-compliant telecommunication service component for use in a service logic execution environment (SLEE), said method comprising:
 - specifying generating at least one JAIN-compliant service building block comprising meta-information for identifying the service building block, said ~~specification~~ generating comprising visually selecting from a pre-defined list of different event handlers a plurality of JAIN-compliant telecommunication event handlers for inclusion in said at least one JAIN-compliant service building block;
 - exporting said at least one JAIN-compliant service building block, said exporting step producing a deployment descriptor which describes telecommunication events for which said at least one JAIN-compliant service building block has been configured to handle;
 - visually arranging a visual iconic representation of said at least one JAIN-compliant service building block by performing a drag-and-drop operation to move the visual iconic

representation into a designated work space of the visual display and connecting the visual iconic representations to at least one other visual iconic representation of another JAIN-compliant service building block using a visual connector, said arrangement combining different JAIN-compliant service building blocks to forming generate the extended JAIN-compliant telecommunication service component; and,

configuring the extended JAIN-compliant telecommunication service component produced by said visual arrangement for insertion in a service logic execution environment (SLEE) in an advanced intelligent network[[,]] :

wherein said extended JAIN-compliant telecommunication service component ~~configures itself~~ is automatically configured using a deployment descriptor upon identifying underlying resources that are available when the JAIN-compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

11. (Previously Presented) The method of claim 10, further comprising the step of encapsulating the extended JAIN-compliant telecommunication service component in a service application container.

12. (Currently Amended) A machine readable storage, having stored thereon a computer program for visually generating an extended Java Advanced Intelligent Network (JAIN)-compliant telecommunication service component, said computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

~~specifying generating~~ at least one JAIN-compliant service building block comprising meta-information for identifying the service building block, said ~~specification~~ generating comprising visually selecting from a pre-defined list of different event handlers a plurality of JAIN-compliant telecommunication event handlers for inclusion in said at least one JAIN-compliant service building block;

exporting said at least one JAIN-compliant service building block, said exporting step producing a deployment descriptor which describes telecommunication events for which said at least one JAIN-compliant service building block has been configured to handle;

visually arranging a visual iconic representation of said at least one JAIN-compliant service building block by performing a drag-and-drop operation to move the visual iconic representation into a designated work space of the visual display and connecting the visual iconic representations to at least one other visual iconic representation of another JAIN-compliant service building block using a visual connector, said arrangement combining different JAIN-compliant service building blocks to forming generate the extended JAIN-compliant telecommunication service component; and[.,]

configuring the extended JAIN-compliant telecommunication service component produced by said visual arrangement for insertion in a service logic execution environment (SLEE) in an advanced intelligent network[.,] ;

wherein said extended JAIN-compliant telecommunication service component ~~configures itself~~ is automatically configured using a deployment descriptor upon identifying underlying resources that are available when the JAIN-compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

13. (Previously Presented) The machine readable storage of claim 12, further comprising the step of encapsulating the extended JAIN-compliant telecommunication service component in a service application container.